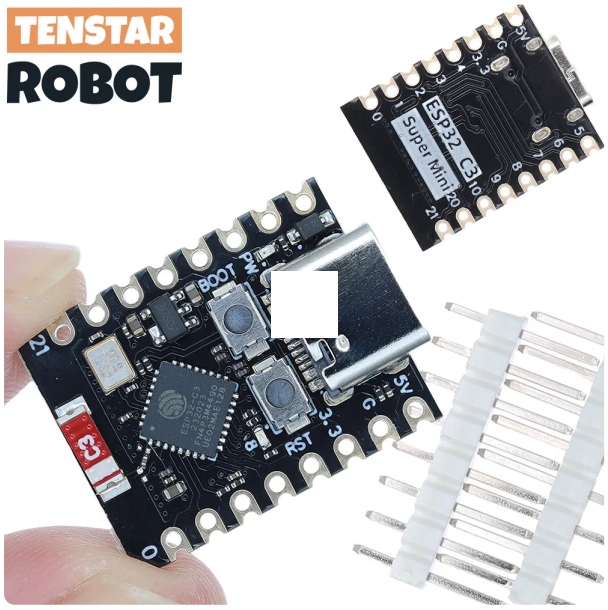

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ESP32-C3 entwicklung boa tooth

5.0 14 Bewertu

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Übersicht

Berichtpunkt

Wireless Modul CH340/CP2102/CH910
USD 1.04-2.34/piece

Leonardo R3 Entwicklung Board +
USD 4.61/set

Original-Chip tpa3116 d2 XH-M543 12V 24V
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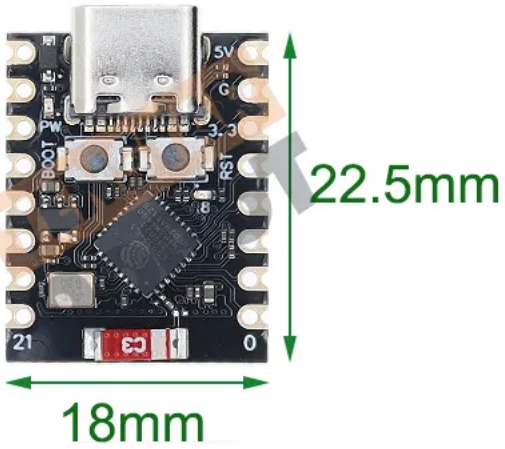
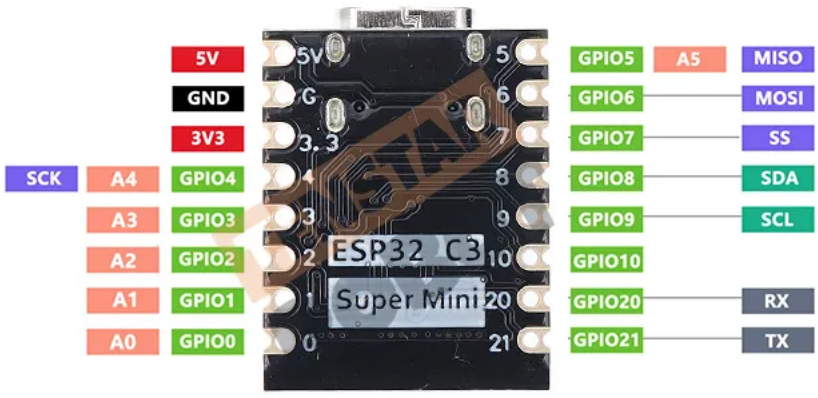
single-precision operations with powerful computing power. It has excellent RF performance and suppo
802.11b /g/n WiFi and Bluetooth 5 (LE) protocols. The board comes with an external antenna to enhan
strength for wireless applications. It also has a small and delicate form factor combined with a single-si
mount design. It is equipped with a wealth of interfaces, with 11 digital I/ OS that can be used as PWM
4 analog I/ OS that can be used as ADC pins. It supports four serial interfaces: UART, I2C and SPI. Th
also has a small reset button and a boot loader mode button.

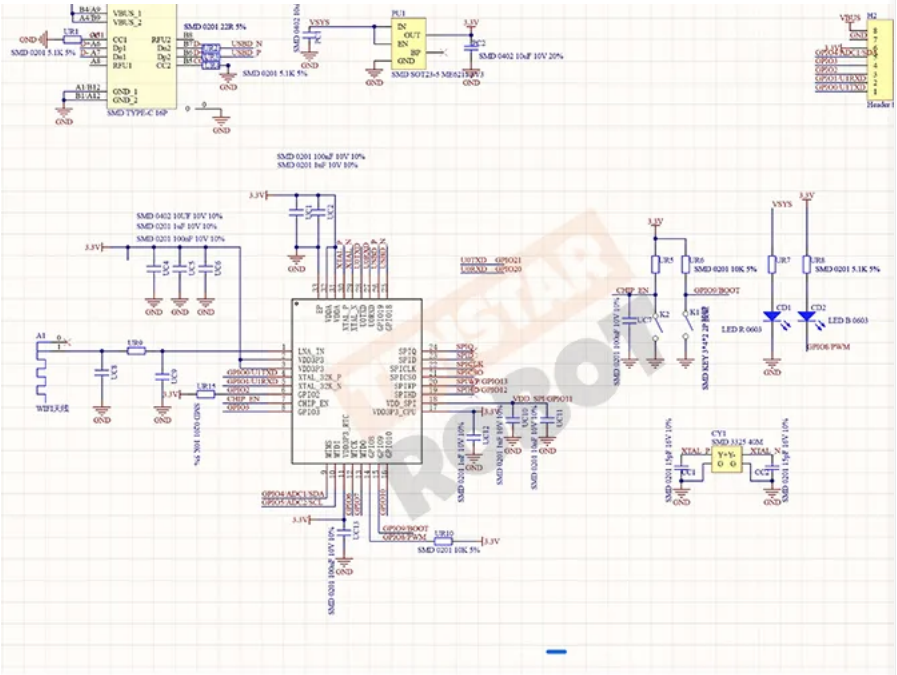
Combined with the above features, the ESP32C3SuperMini is positioned as a high-performance, low-p
cost-effective iot mini development board for low-power iot applications and wireless wearable applicat

Product parameter:

1.Powerful CPU: ESP32-C3, 32-bit RISC-V single-core processor, running up to 160 MHz
2.WiFi: 802.11b/g/n protocol, 2.4GhHz, support Station mode, SoftAP mode, SoftAP+Station mode, hy
3.Bluetooth: Bluetooth 5.0
4.Ultra-low power consumption: deep sleep power consumption of about 43μA
5.Rich board resources: 400KB SRAM, 384KB ROM built-in 4Mflash.
6.Chip model: ESP32C3FN4
7.Ultra-small size: As small as the thumb (22.52x18mm) classic shape, suitable for wearables and sm
8.Reliable security features: Encryption hardware accelerators that support AES-128/256, hashing, RS
digital signatures, and secure startup
9.Rich interface: 1xI2C, 1xSPI, 2xUART, 11xGPIO(PWM), 4xADC
10.Single-sided components, surface mount design
11.Onboard LED blue light: GPIO8 pin







external power supply, you cannot access USB, USB and external power supply can only choose one

When welding, please be careful not to short-circuit the positive and negative electrodes, otherwise it will burn the battery and equipmen

WIFI antenna

Shielding layer

Wire core

Hardware setup

You need to prepare the following:
1 x ESP32 C3 SuperMini
1 x computer
1 x USB Type-C data cable

Some USB cables can only supply power, not transmit data. Make sure your USB cable can transfer

Software setup

Step 1. Download and install the latest version of IDE based on your operating system.

Download duino IDE

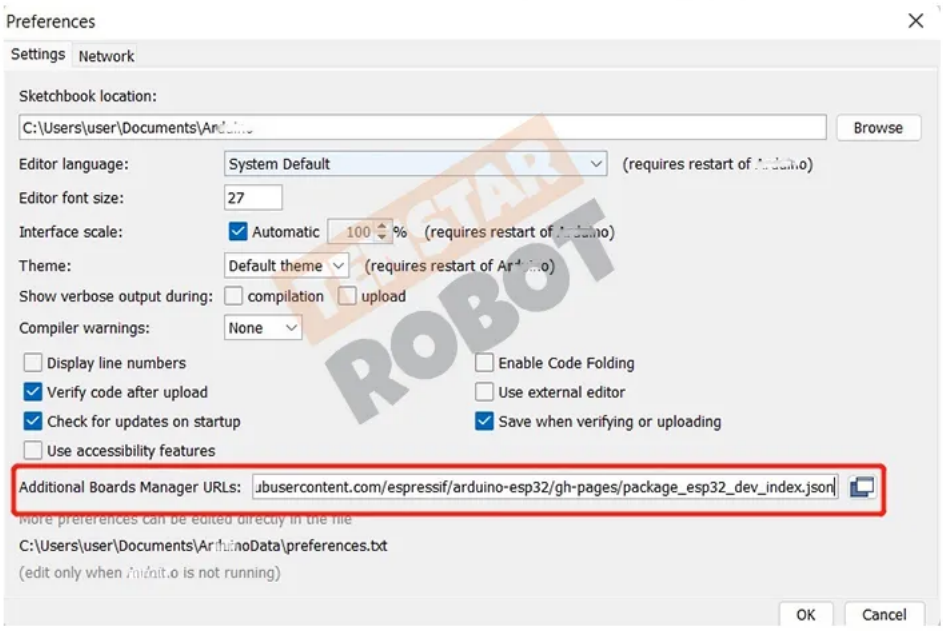
Step 2. Start the IDE application

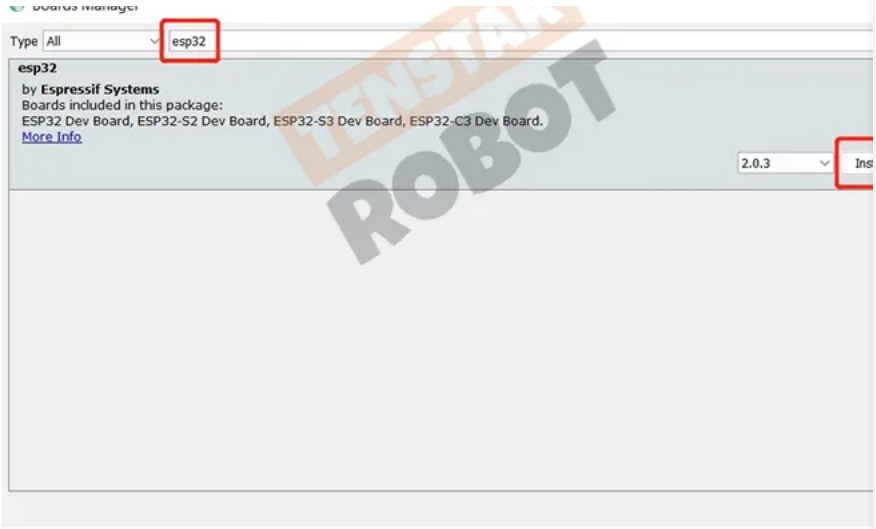
Step 3. Add the ESP32 board package to the IDE

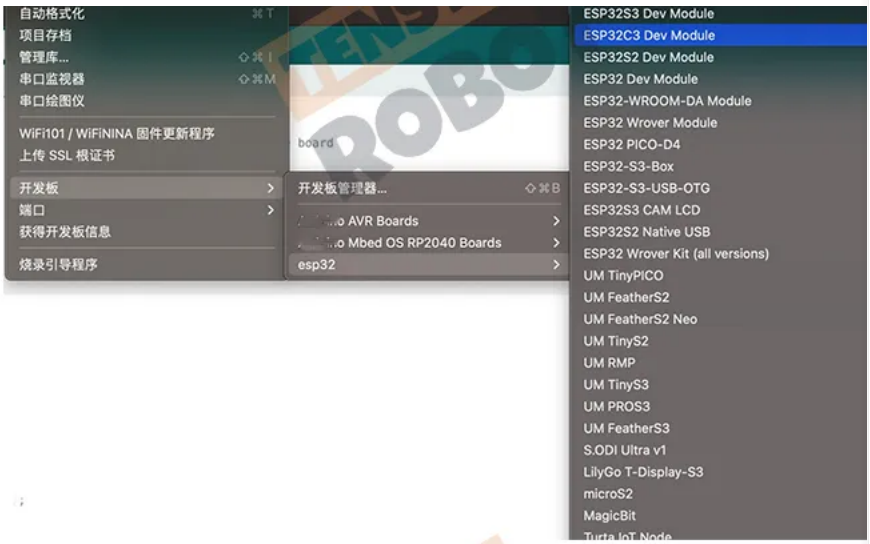
Navigate to File → Preferences, then fill in the "Additional Boards Manager URL"

using the following URL:

https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package_esp32_index.json







Navigate to "Tools" > Port, then select the serial port name of the ESP32 C3 SuperMini you are conn
This could be COM3 or later (COM1 and COM2 are usually reserved for hardware serial ports)

Flashing LED

Copy the following code into the IDE

```
// define led according to pin diagram
int led = 8;

void setup() {
  // initialize digital pin led as an output
  pinMode(led, OUTPUT);
}

void loop() {
  digitalWrite(led, HIGH);   // turn the LED on
  delay(1000);               // wait for a second
  digitalWrite(led, LOW);    // turn the LED off
  delay(1000);               // wait for a second
}
```

After uploading, you will see the LED flashing on the board with a 1-second delay between each flashing.

FAQ

Com port cannot be recognized on IDE

Enter the download mode:

Method 1: Press and hold BOOT to power on.

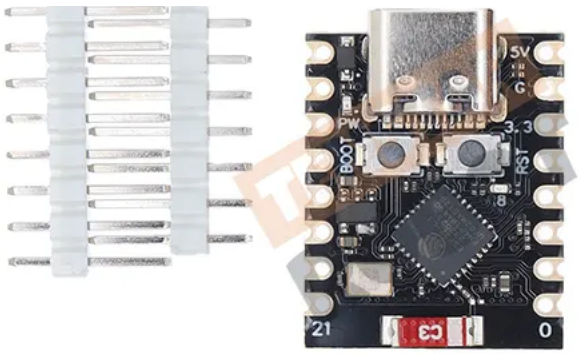
Method 2: Press and hold down the BOOT button of the ESP32C3, press the RESET button, release the RESET button, and then release the BOOT button. Then the ESP32C3 will enter download mode. (Each connection needs to re-enter the download mode, sometimes press once, the port instability will be disconnected, you can judge by the port identification sound)

The program will not run after upload

After the upload succeeds, you need to press the Reset button to execute the upload.

ESP32 C3 SuperMini serial port cannot print

Set the USB CDC On Boot on the toolbar to Enabled



Spezifikationen

Paket	SOP	ist individuell	
Modellnummer	ESP32 SuperMini	Betriebstemperatur	
Ableitungs-Energie	SuperMini Development Board	Versorgungsmaterial-Spannung	

Mehr anzeigen

Kundenbewertungen (14)

5.0

★★★★★

Alle Bewertungen stammen von verifizierten Käufern

5 Sterne	14
4 Sterne	0
3 Sterne	0
2 Sterne	0
1 Sterne	0

Alle(14) | Lokale Überprüfung(1) | 5 Sterne(14) | klein(1) | wie beschrieben(1) | compatible with MicroPython(1) | schneller versand(1)

Standard mäßig sortieren | Original übersetzen zeigen

★★★★★ 02 Oct 2023

L***a

Der Punkt, der genau dem entspricht, was angekündigt wurde. Ist mit Micro Python kompatibel.

Hilfreich(0)

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